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EXAMINER

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.



### DETAILED ACTION

**Claims 2, 5, 8, 12, 15, 17 and 39** have been cancelled.

#### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

3. Claims **1, 3, 4, 6, 7, 9-11, 18, 19, 21-24, 27, 29, 30, 31, and 38** are rejected under 35 U.S.C. 103(a) as being unpatentable over Kumar et al. (US 6,631,141), hereinafter referred to as Kumar, in view of Chin et al. (US 5,959,968), hereinafter referred to as Chin, and Palm (US Pg Pub 2004/0068686).

**Regarding claim 1**, Kumar teaches sending a first message including an aggregation discovery code from a first node to a second node, the second node including a remote discovery register; receiving a second message at the first node, the second message including the contents of the second node's remote discovery register (see col. 6 lines 24-29). Kumar does not

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explicitly teach comparing a value of the remote discovery register with the aggregation discovery code.

However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 3**, Kumar teaches the sending of a first message from a first node to a second node comprises sending a first message from a first node to a customer node (see Fig. 1 Box 16).

**Regarding claim 4**, Kumar teaches receiving a first message including an aggregation discovery code at a second node from a first node, the second node including a remote discovery register; and sending a second message from the second node to the first node in response to the first message, the second message including the contents of the second node's remote discovery

register, the contents of the remote discovery register (see col. 6 lines 24-29). Kumar does not explicitly teach comparing a value of the remote discovery register with the aggregation discovery code.

However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. The handshaking in Palm's invention occurs between a Central Office (CO) and a customer node [0078, figure 1]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 6,** Kumar teaches sending a first message from a first node to a second node to conditionally set a remote discovery register of the second node to an aggregation discover code provided by the first node if the remote discovery register is clear, the contents of the remote discovery register indicating whether a PHY at the second node has been allocated for

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aggregation (see col. 6 lines 24-40; If the remote discovery register is clear, then the port has not been assigned for aggregation. Kumar teaches that if the port is unassigned, then a System ID is assigned to the port for aggregation). Kumar does not explicitly teach comparing a value of the remote discovery register with the aggregation discovery code.

However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table.

Kumar teaches sending a “set if clear” request message including an aggregation discovery code to conditionally set a value of the remote discovery register to the aggregation discovery code (see col. 6 lines 34-40). Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 7**, Kumar teaches receiving a second message at the first node, the second message including an updated contents of the second node’s remote discovery register (see col. 8 lines 12-16).

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 9**, Kumar teaches the second node determining whether the remote discovery register is clear, and then setting the value of the remote discovery register to the aggregation discovery code if the remote discovery register is clear (see col. 6 lines 24-40; If the port is unassigned/remote discovery register is clear, the system ID is assigned to the port for aggregation).

**Regarding claim 10**, Kumar teaches receiving a first message at a second node from a first node, the first message including an aggregation discovery code, the second node including a remote discovery register; and the second node, in response to the first message, determining whether the remote discovery register is clear, and then setting the value of the remote discovery register to the aggregation discovery code if the remote discovery register is clear, the contents of the remote discovery register indicating whether a PHY at the second node has been allocated for aggregation (see col. 6 lines 24-40; Kumar teaches exchanging LACP messages for assigning System IDs/discover codes to unassigned ports/clear remote discovery register.). Kumar does

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not explicitly teach comparing a value of the remote discovery register with the aggregation discovery code.

However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 11**, Kumar teaches the first message includes an aggregation discovery operation field set to “set if clear,” the method further comprising sending a second message from the second node to the first node, the second message including an updated contents of the remote discovery register (see col. 8 lines 14-17 and 27-36; Kumar teaches updating the aggregation associations. If the remote discovery register is clear/aggregation port is unassigned, then a system ID is assigned to it.).



Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 18**, Kumar teaches a Media Access Control (MAC) (see col. 5 lines 11-16); a PHY coupled to the MAC (see col. 5 lines 64-67); a remote discovery register, a value of the remote discovery register to indicate whether the PHY has been allocated for aggregation (see col. 6 lines 49-54); a PHY aggregation, the PHY aggregation adapted to perform a read-conditional write upon the remote discovery register to allocate and de-allocate the PHY to PHY aggregation (see col. 6 lines 49-54). Kumar does not explicitly teach comparing a value of the remote discovery register with the aggregation discovery code.

However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 19**, Kumar teaches the PHY aggregation comprises a PHY aggregation adapted to determine whether the remote discovery register is clear, and if so, then to set the value of the remote discovery register to an aggregation discovery code received from the first node (col. 6 lines 49-54).

**Regarding claim 21**, Kumar et al. teaches all the subject matter of the claimed invention with the exception of 2BASE-TL and 10PASS-TS. However, 2BASE-TL and 10PASS-TS are known standards. Thus, it would have been obvious to one of ordinary skill in the art to use 2BASE-TL and 10PASS-TS as the PHY in the system of Kumar. The motivation for doing so is to conform to standards in the industry.

**Regarding claim 22**, Kumar teaches the PHY comprises a plurality of PHYs (see col. 5 lines 64-66).

**Regarding claim 23**, Kumar teaches the MAC comprising a plurality of MACs, and the remote discovery register comprising a plurality of remote discovery registers, each remote discovery register corresponding to a MAC (see col. 5 lines 8-16 and col. 6 lines 34-40).

**Regarding claim 24**, Kumar teaches a processor coupled to the MAC, a memory and an input/output controller coupled to the processor (see col. 5 lines 8-16 and col. 6 lines 34-40).

**Regarding claim 25**, Kumar teaches the aggregation discovery code comprises a MAC address of the node (see col. 5 lines 8-16).

**Regarding claim 27**, Kumar teaches the MAC address comprises an Ethernet MAC address (see col. 1 lines 15-21).

**Regarding claim 29**, Kumar teaches performing PHY aggregation discovery, including, in response to a message received at a second node from a first node, performing a read-conditional write operation upon a remote discovery register at the second node to perform at least one of allocate and de-allocate a PHY at the second node to PHY aggregation (see col. 6 lines 24-40). Kumar does not explicitly teach comparing a value of the remote discovery register with the aggregation discovery code.

However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the

system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 30**, Kumar teaches determining at the second node whether the remote discovery register is clear, and if so, then to set the value of the remote discovery register to an aggregation discovery code received from the first node (see col. 6 lines 34-40).

**Regarding claim 31**, Kumar teaches all of the subject matter of the claimed invention with the exception of de-allocating by matching an aggregation discovery code. However, Nguyen teaches determining at the second node whether the value of the remote discovery register matches an aggregation discovery code provided by the first node, and if so, then clearing the remote discovery register (see col. 10 lines 25-32 and 42-45). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Nguyen in the system of Kumar. The motivation for doing so is to make the system more flexible by being able to selectively de-allocate.

**Regarding claim 38**, Kumar teaches receiving a message including an aggregation discovery code at a first node from a second node, the second node including a remote discovery register, said message including the contents of the second node's remote discovery register, the contents of the remote discovery register indicating whether a PHY of the second node has been allocated to aggregation (see col. 6 lines 34-40 and 49-54). Kumar does not explicitly teach comparing a value of the remote discovery register with the aggregation discovery code.

However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in

the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

4. Claims **13, 14, 16 and 32-37** are rejected under 35 U.S.C. 103(a) as being unpatentable over Kumar in view of Chin, Palm and Bishara (US 7,308,612).

**Regarding claim 13**, Kumar teaches aggregated links are assigned a System ID (see col. 6 lines 24-40; An aggregated link will be indicated by whether or not it has been assigned a System ID). Kumar does not explicitly teach comparing a value of the remote discovery register with the aggregation discovery code to remove the link. However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The

motivation for doing so is to make the system more efficient by storing aggregation groups in a table.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

Kumar does not disclose removing a link by selectively removing it from a table. However, Bishara teaches removing a link by selectively removing it from a table (see col. 9 lines 43-51). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Bishara in the system of Kumar in view of Chin to remove failed links.

**Regarding claim 14**, Kumar teaches updating the contents of the remote discovery register (see col. 8 lines 12-17). Kumar teaches all the subject matter of the claimed invention with the exception of an aggregation discovery operation field. However, Chin teaches an aggregation discovery operation field set to “clear if same” (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table. Kumar in

view of Chin teaches all the subject matter of the claimed invention with the exception of removing a link by selectively removing it from a table.

However, Bishara teaches removing a link by selectively removing it from a table (see col. 9 lines 43-51). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Bishara in the system of Kumar in view of Chin to remove failed links.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 16,** Kumar teaches receiving a first message at a second node from a first node, the first message including an aggregation discovery code, the second node including a remote discovery register, the value of the remote discovery register indicating whether a PHY at the second node has been allocated for aggregation (see col. 6 lines 24-40; If the remote discovery register is clear, then the port has not been assigned for aggregation. Kumar teaches that if the port is unassigned, then a System ID is assigned to the port for aggregation). Kumar does not explicitly teach comparing a value of the remote discovery register with the aggregation discovery code to remove the link. However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the

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state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table. Kumar in view of Chin teaches all the subject matter of the claimed invention with the exception of removing a link by selectively removing it from a table.

However, Bishara teaches removing a link by selectively removing it from a table (see col. 9 lines 43-51). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Bishara in the system of Kumar in view of Chin to remove failed links.

Kumar teaches all the subject matter of the claimed invention with the exception of matching an aggregation discovery code. However, Chin teaches the aggregation adapted to determine whether the value of the remote discovery register matches an aggregation discovery code received from the first node, and if so, then to clear the remote discovery register, in response to a “clear if same” request from the first node (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table. Kumar in view of Chin teaches all the subject matter of the claimed invention with the exception of removing a link by selectively removing it from a table.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary



skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 32**, Kumar teaches sending a “set if clear” request message including an aggregation discovery code to conditionally set a value of the remote discovery register to the aggregation discovery code (see col. 6 lines 34-40).

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

Kumar in view of Palm teaches all the subject matter of the claimed invention with the exception of de-allocating by matching an aggregation discovery code. However, Chin teaches comparing a value of the remote discovery register to the aggregation discovery code (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table.

Kumar in view of Chin teaches all the subject matter of the claimed invention with the exception of removing a link by selectively removing it from a table. However, Bishara teaches removing a link by selectively removing it from a table (see col. 9 lines 43-51). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Bishara in the system of Kumar in view of Chin to remove failed links.

**Regarding claim 33**, Kumar further teaches sending a first message from a first node to a second node, the first message having a discovery operation field set to "set if clear", the set if clear message including an aggregation discovery code, the second node including a remote discovery register; determining if the remote discovery register is clear; setting a value of the remote discovery register to the aggregation discovery code if the remote discovery register is clear (see col. 6 lines 34-40).

**Regarding claims 34 and 35**, Kumar teaches that the LACP messages are used to determine the availability and capabilities of each link (see col. 6 lines 24-29). Kumar teaches all the subject matter of the claimed invention with the exception of using G.994.1 messages.

Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. The handshaking in Palm's invention occurs between a Central Office (CO) and a customer node [0078, figure 1]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

**Regarding claim 36**, Kumar teaches all the subject matter of the claimed invention with the exception of de-allocating by matching a discovery code. However, Chin teaches an aggregation discovery operation field set to “clear if same” (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table. Kumar in view of Chin teaches all the subject matter of the claimed invention with the exception of removing a link by selectively removing it from a table

**Regarding claim 37**, Kumar does not teach the G.994.1 handshaking. However, Palm teaches using handshaking in accordance with G.994.1 to determine the capabilities of each link [0051] that includes CLR and CL messages [0133]. Thus, it would have been obvious to one of ordinary skill to determine the capabilities and availability of each link during handshaking by using the system of Palm in the system of Kumar. The motivation for doing so is to make the system more efficient by minimizing the number retransmission messages, when an error occurs [Palm, abstract].

5. **Claims 20, 26 and 28** are rejected under 35 U.S.C. 103(a) as being unpatentable over Kumar in view of Chin and Palm as applied to claim 18 above, and further in view of Bishara.

**Regarding claim 20**, Kumar teaches all the subject matter of the claimed invention with the exception of matching an aggregation discovery code. However, Chin teaches the aggregation adapted to determine whether the value of the remote discovery register matches an aggregation discovery code received from the first node, and if so, then to clear the remote

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discovery register, in response to a “clear if same” request from the first node (see col. 15 lines 43-63; The device ID and port ID are transmitted in the aggregation message. These IDs are then compared against the state of the port aggregation stored in the table.). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Chin in the system of Kumar. The motivation for doing so is to make the system more efficient by storing aggregation groups in a table. Kumar in view of Chin teaches all the subject matter of the claimed invention with the exception of removing a link by selectively removing it from a table.

However, Bishara teaches removing a link by selectively removing it from a table (see col. 9 lines 43-51). Thus, it would have been obvious to one of ordinary skill in the art to use the system of Bishara in the system of Kumar in view of Chin to remove failed links.

**Regarding claim 26**, Kumar further teaches the aggregation discovery code comprises a MAC address of the node (see col. 5 lines 8-16).

**Regarding claim 28**, Kumar further teaches the MAC address comprises an Ethernet MAC address (see col. 1 lines 15-21).

### ***Response to Arguments***

8. The argument with respect to Palm not disclosing receiving a response message that includes the contents of a register is not persuasive because this feature was cited as being taught by Kumar.

9. In response to applicant's argument that Palm discloses a motivation to use CL and CLR messages during startup is not persuasive because Palm's mechanism is used during handshaking procedures and is not limited to initialization procedures [0051].

10. Applicant's arguments filed 09/30/2008 have been fully considered but they are not persuasive, for the reasons stated above.

***Conclusion***

11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JEFFREY M. RUTKOWSKI whose telephone number is (571)270-1215. The examiner can normally be reached on Monday - Friday 7:30-5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Jeffrey M Rutkowski  
Patent Examiner  
12/27/2008

/Hassan Kizou/  
Supervisory Patent Examiner, Art Unit 2419